AMENDMENTS TO THE CLAIMS

Please cancel Claims 1-10, 14 and 15 without prejudice, as indicated below.

Please amend Claims 11, 18, and 19 as indicated below.

A complete listing of all claims is presented below with insertions underlined (e.g., insertion), and deletions struckthrough or in double brackets (e.g., ~~deletion~~ or [[deletion]]):

1.-10. (Cancelled)

11. (Currently Amended) A method for accelerating the production of a vaccine by an in vitro cell culture, comprising:

providing an in vitro cell culture comprising cells useful in production of a vaccine; and

delivering an effective amount of electromagnetic energy to the in vitro cell culture ~~having a wavelength in the visible to near-infrared wavelength range to cells in a culture~~, wherein delivering the effective amount of electromagnetic~~light~~ energy includes delivering electromagnetic energy~~light~~ having a power density of at least about 0.01 mW/cm^2 and a wavelength of about 780 nm to about 840 nm to the cells in the in vitro cell culture; wherein the delivering the electromagnetic energy~~light~~ results in the enhancement or improvement of the in vitro cell culture~~; and wherein the cultured cells or products thereof are useful in a vaccine~~.

12. (Original) A method according to Claim 11 wherein the power density is about 0.01 mW/cm^2 to about 100 mW/cm^2.

13. (Original) A method according to Claim 12 wherein the power density is about 0.01 mW/cm^2 to about 15 mW/cm^2.

14. (Cancelled)

15. (Cancelled)

16. (Original) A method according to Claim 11 wherein delivering comprises placing a light source above a top surface of a container holding a cell culture.

17. (Original) A method according to Claim 11 wherein delivering comprises delivering a series of pulses of light.

18. (Currently Amended) A method according to Claim 11 wherein delivering an effective amount of electromagnetic energy comprises ~~the treatment is broken into~~ at least two treatment periods.

19. (Currently Amended) A method according to Claim 11, wherein delivering an effective amount of electromagnetic energy~~the treatment~~ proceeds for a period of about 30 seconds to about 2 hours.